

Connecting via Winsock to STN

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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS EXPRESS			DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:13:26 ON 16 FEB 2004

=> file vet

'VET' IS AN AMBIGUOUS FILE NAME

VETB - Derwent Veterinary Drug File 1968 - 1982

VETU - Derwent Veterinary Drug File 1983 - 2001

Enter the appropriate file name or enter "IGNORE" to continue
accessing the remaining files of your multiple file entry.

ENTER A FILE NAME OR (END):vetu

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

0.42	0.42
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FILE 'VETU' ENTERED AT 16:14:21 ON 16 FEB 2004

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FILE LAST UPDATED: 02 JAN 2002

<20020102/UP>

FILE COVERS 1983-2001

=> s chromium

L1 182 CHROMIUM

=> s carnitine

L2 127 CARNITINE

=> s l1 and l2

L3 8 L1 AND L2

=> s farrow?

L4 931 FARROW?

=> s l3 and l4

L5 1 L3 AND L4

=> d l5 1-1 ibib, kwic

L5 ANSWER 1 OF 1 VETU COPYRIGHT 2004 THOMSON DERWENT on STN

ACCESSION NUMBER: 1999-61263 VETU

TITLE: Influence of **chromium** and **carnitine** on
sow reproductive performance.

AUTHOR: Samland C J; Musser R E; Davis D L; Tokach M D

CORPORATE SOURCE: Univ.Kansas-State

LOCATION: Manhattan, Kans., USA

SOURCE: Proc.Am.Assoc.Swine Pract. (29 Meet., 69-74, 1998) 8 Tab. 18
Ref.

AVAIL. OF DOC.: Kansas State University, Manhattan, Kansas, U.S.A.

LANGUAGE: English

DOCUMENT TYPE: Journal

FIELD AVAIL.: AB; LA; CT

TI Influence of **chromium** and **carnitine** on sow
reproductive performance.

AB A retrospective survey of the effect of **chromium** and
carnitine on sow reproductive performance is reported. Feeding
chromium picolinate increased **farrowing** rate when fed
for at least 6 wk before breeding. Dietary L-**carnitine**
increased blood insulin and IGF-1 and also birth weight, sow weight gain
and subsequent **farrowing** total born and born alive. Both
chromium and **carnitine** influence insulin signaling and
may affect the number of follicles maturing and ovulating at estrus.
Further studies on the effect of **chromium** nicotinate and/or
carnitine on ovulation and embryo implantation are underway.
(conference paper: American Association of Swine Practitioners, 29th
Annual Meeting, Des Moines, Iowa, . . .)

ABEX Sows fed 200 ppb **chromium** picolinate (CrP) throughout the
growth and reproductive phases **farrowed** 2.32 more live pigs
than control while pigs fed 500 or 1000 ppb only during the growth phase
showed intermediate. . . pigs by 2.0 In 847 first or second parity
pigs, 200 ppb CrP fed at breeding and during gestation increased
farrowing rate by 13.4% while litter size was the same for parity
1 and 2 pigs. CrP (200 ppb) fed for 157 days before **farrowing**
numerically increased litter size in all parities except 4. Sows fed 200
ppb CrP for 35 days after mating showed an increase in **farrowing**

rate (86% vs. 82%) in only 1 of 2 trials. Addition of L-**carnitine** to the gestation and lactation diet increased sow circulating insulin on day 10 of lactation (63.0 vs. 37.27 ng/ml) and . . 60 (71.25 vs. 37.95 ng/ml), day 90 (33.02 vs. 24.98 ng/ml) and offspring IGF-1 at weaning (119.0 vs. 108.17 ng/ml). L-**carnitine** also increased birth weight (3.48 vs. 3.27 lb), sow weight gain (122.1 vs. 102.5 lb) and subsequent **farrowing** total born and born alive.

CT [01] **CHROMIUM**-PICOLINATE *PH; CRPICOLIN *RN; PH *FT
[02] **CARNITINE** *PH; **CARNITINE** *RN; L-ISOMER *FT;
STEREOISOMER *FT; STEREOCHEM. *FT; TONICS *FT; VITAMINS-B *FT; PH *FT
[02] **CARNITINE** *PH; **CARNITINE** *RN; L-ISOMER *FT;
STEREOISOMER *FT; STEREOCHEM. *FT; TONICS *FT; VITAMINS-B *FT; PH *FT